

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
4.3 Strengthened Facilitating Institutions	4.3.1 Strengthen the capacity of Government to play a supporting role in development of the agricultural sector	4.3.1.1 Reorganize and restructure the Ministry of Agriculture and Fisheries and its entities and Divisions: <ul style="list-style-type: none"> • Research and Development • RADA • Marketing and Credit Division • Databank and Evaluation Division • Agricultural Credit Board • Agri-Business Council 	MOAF, CO, MFPS	Years 1-3
		4.3.1.2 Transform Fisheries Division and Forestry Department into Executive Agencies and modernize their operations	MOAF, CO, MFPS	Years 1-3
		4.3.1.3 Administer and implement a reorganized, effective and efficient Plant Quarantine and Veterinary Services Division, including Pest Risk Analysis Unit	MOAF, CO, MFPS	Years 1-3 Ongoing
		4.3.1.4 Restructure Export Division to lead and regulate the development of the spice/herbs industry	MOAF, CO, MFPS	Years 1-3
		4.3.1.5 Establish Agriculture Development Fund (ADF) to finance specific development activities in agricultural sector	MOAF, CO, MFPS	Years 1-3
		4.3.1.6 Establish the Agro-Invest Corporation to package and promote agricultural investment opportunities	MOAF	Years 1-3

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		4.3.1.7 Undertake periodic census of agriculture, forestry and fishing sector, and specific sub-sectors	STATIN, MOAF	Every 5-10 years
		4.3.1.8 Strengthen investment promotion for agricultural projects	JTI, MOAF, PMOs	Years 1-3 Ongoing
	4.3.2 Strengthen Production and Marketing Organizations (PMOs) and farmer organizations to effectively promote agriculture and encourage agricultural investment	4.3.2.1 Encourage formalization and strengthening of community-based farmers' groups and PMOs through registration with relevant agencies, including through the Registrar of Cooperatives	MOAF, RADA, PMOs	Years 1-3 Ongoing
		4.3.2.2 Undertake restructuring of JAS to promote organizational effectiveness as an independent farmers' organization with coordinated marketing network	MOAF, JAS	Years 1-13
		4.3.2.3 Change legal structure of JAS to allow it to attract non-governmental capital	MOAF, JAS	Years 1-3
		4.3.2.4 Ensure PMO participation in sectoral decision-making processes at local, regional and international levels	MOAF, RADA, PMOs, MFAFT	Years 1-3 Ongoing
		4.3.2.5 Review and rationalize all Commodity Boards, with a view to separate their regulatory functions from their commercial functions	MOAF, PMOs, CO, Private Sector	Years 1-6
		4.3.2.6 Divest Government of commercial interests in Commodity Boards	MOAF, MFPS, CO, Private Sector	Years 1-6

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
4.4 Strengthened Extension Services	4.4.1 Improve the capacity and effectiveness of the extension service	4.4.1.1 Increase the number of extension officers	MOAF, RADA	Years 1-3 Ongoing
		4.4.1.2 Increase training and retraining of extension officers including emphasis on productivity and efficiency	MOAF, RADA	Years 1-3 Ongoing
		4.4.1.3 Re-train extension officers in the use of computer-based office productivity tools	MOAF, RADA	Years 1-3 Ongoing
		4.4.1.4 Provide specialist officers (e.g. animal health officers)	MOAF, RADA	Years 1-3 Ongoing
		4.4.1.5 Provide reward system for good performance by extension officers who maintain effective extension delivery	MOAF, RADA	Years 1-9 Ongoing
		4.4.1.6 Strengthen linkages between research and development and the extension services based on needs assessment of the sector	MOAF, RADA	Years 1-3 Ongoing
		4.4.1.7 Update the extension delivery model	MOAF, RADA	Years 1-3 Ongoing
		4.4.1.8 Coordinate delivery of extension services with private sector and other agricultural stakeholders	MOAF, RADA, JAS	Years 1-3 Ongoing
		4.4.1.9 Require annual re-certification of extension officers including mandatory training	MOAF, RADA	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
4.5 Modernized and Upgraded Infrastructure	4.5.1 Provide adequate water supply, irrigation and drainage to meet needs of sector	4.5.1.1 Undertake expansion of irrigation services in major agricultural production areas	MOAF, NIC	Years 1-3 Ongoing
		4.5.1.2 Promote acquisition and installation of on-farm irrigation systems	MOAF, NIC, RADA, Financial Institutions	Years 1-3 Ongoing
	4.5.2 Improve and rationalize road infrastructure including farm roads network	4.5.2.1 Undertake inventory of farm roads island-wide	MOAF, NWA, Local Authorities	Years 1-6
		4.5.2.2 Expand farm road rehabilitation programme	MOAF, NWA, Local Authorities	Years 1-3 Ongoing
4.6 Satisfactory Working Conditions, Health and Safety of Sector Employees	4.6.1 Implement and enforce health and safety standards on farms and in agro-processing establishments	4.6.1.1 Educate employers and workforce on local and international health and safety standards and requirements	MOAF, MOHE, MLSS, NEPA, BSJ, Private Sector	Years 1-3 Ongoing
		4.6.1.2 Promote and expand competitions and give recognition to agricultural producers and agro-processors who comply with safety standards and carry out environmentally friendly practices	Private Sector, BSJ, MOAF, MLSS	Years 1-6 Ongoing
	4.6.2 Ensure collaboration and participation of relevant agencies and stakeholders in	4.6.2.1 Establish joint interagency committee to develop and promote occupational health and safety standards in agriculture	MOAF, MOHE, MLSS	Years 1-3
		4.6.2.2 Develop programme of public consultations involving sector and stakeholder interests in review, development and updating of safety	MOAF, MOHE, MLSS	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
	review, development, updating and enforcement of safety and health legislation, regulations and standards	and health legislation, regulations and standards		
	4.6.3 Enhance labour relations in the agricultural sector	4.6.3.1 Promote best practices in labour relations and adoption of the Labour Relations Code among employers and employees	MOAF, MLSS, Private Sector, Trade Unions	Years 1-3 Ongoing
		4.6.3.2 Promote ILO core labour standards and worker rights and obligations among all employers and employees in the sector	MOAF, MLSS, Private Sector, Trade Unions	Years 1-3 Ongoing
Goal #5: Contributor to Long-Term Rural Development				
5.1 Provision of Sustainable Livelihoods for Agricultural Community Residents	5.1.1 Promote economic enterprises and entrepreneurship in rural agricultural communities	5.1.1.1 Provide training in entrepreneurship and business development for communities	RADA, SDC, JBDC	Years 1-3 Ongoing
		5.1.1.2 Infuse promotion of the culture of entrepreneurship in the education system from primary to tertiary level	RADA, SDC, JBDC, MOE	Years 1-3 Ongoing
		5.1.1.3 Encourage community participation in economic ventures through group action, cooperatives, joint ventures etc.	RADA, SDC, JBDC	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		5.1.1.4 Support communities to apply geographical indications to register their lands and products as a basis for marketing of specific commodities with geographic branding advantages	MOAF, JIPO, RADA	Years 1-3 Ongoing
		5.1.1.5 Undertake area development planning and project implementation	RADA	Years 1-3 Ongoing
		5.1.1.6 Implement EUBSP Rural Diversification Programme	RADA, EUBSP	Years 1-6
		5.1.1.7 Implement Sugar Area Dependent Programme	MOAF, RADA, Sugar Transformation Unit	Years 1-9
		5.1.1.8 Implement Rural Enterprise Development Initiative	RADA, JSIF	Years 1-6
		5.1.1.9 Promote the integration of rural producers and micro, small- and medium-scale agricultural enterprises into production and marketing/trade chains contributing to a sustainable income	MOAF, RADA	Years 1-6 Ongoing
5.2 Comprehensive Land Use Planning and Utilization for Agricultural Development	5.2.1 Establish policy and planning framework to protect and develop suitable agricultural	5.2.1.1 Develop a comprehensive land inventory, showing all parcels of land owned by the State, the zoning for different purposes and the capability profile, based on soil analysis	MOAF, RPPD, NLA	Years 1-6
		5.2.1.2 Ensure zoning of prime agricultural lands	MOAF, OPM, NEPA, Local	Years 1-6 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
	lands		Authorities	
		5.2.1.3 Coordinate land use planning of agricultural lands with other competing land uses, including mining, quarrying, housing and commercial development	OPM, MOAF, NEPA, Local Authorities	Years 1-6 Ongoing
		5.2.1.4 Integrate rehabilitation of mined-out lands and resettlement of agricultural communities in planning for agricultural sector	OPM, MOAF, MEM, NEPA, Local Authorities, JBI, MQAJ, MQD	Years 1-6 Ongoing
		5.2.1.5 Ensure that where resettlement of agricultural communities is required, farmers are given adequate compensation and resettled on good agricultural lands	OPM, MOAF, JBI, NEPA, JAS	Years 1-6 Ongoing
		5.2.1.6 Encourage farmers' organizations to lobby Government to ensure that land use policy is enforced to protect agricultural livelihoods and agricultural communities	MOAF, JAS, PMOs	Years 1-6 Ongoing
		5.2.1.7 Support identification and protection of agricultural heritage sites and historical agricultural equipment for posterity	MOAF, JNHT	Years 1-6 Ongoing
		5.2.1.8 Support the current efforts of the Land Administration and Management Programme (LAMP) across all parishes in Jamaica in order to address land tenure and registration issues with a view to issuing land titles	NLA, MOAF	Years 1-6 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		5.2.1.9 Encourage agricultural development on idle lands and abandoned farms	JTI, NLA, MOAF	Years 1-6 Ongoing
5.3 Establishment of a Culture of Holistic Community Development	5.3.1 Strengthen partnerships between public, private and community stakeholders	5.3.1.1 Strengthen inter-agency collaboration to create greater involvement in community development	MOAF, RADA, SDC, JSIF, PDCs, CBOs	Years 1-6 Ongoing
		5.3.1.2 Promote joint venture programmes involving private sector and farming communities	MOAF, RADA, SDC, JSIF, PDCs, CBOs, JAS, Private Sector	Years 1-6 Ongoing
		5.3.1.3 Encourage participation and partnership of public and private sector in community development	MOAF, RADA, SDC, JSIF, PDCs, CBOs, JAS, Private Sector	Years 1-6 Ongoing
		5.3.1.4 Identify and train “patrons” in communities to facilitate and mentor participation of residents in community and economic ventures	MOAF, RADA, SDC, JSIF, PDCs, CBOs, JAS, Private Sector	Years 1-6 Ongoing
		5.3.1.5 Improve rural connectivity and access to information through the creation of information network systems within communities	MOAF, RADA, SDC, JSIF, PDCs, CBOs, OPM	Years 1-6 Ongoing
	5.3.2 Build capacity of community organizations	5.3.2.1 Undertake capacity building of relevant organizations at the community level to enhance community development	MOAF, RADA, SDC, JSIF, PDCs, CBOs	Years 1-6 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		5.3.2.2 Develop capacity of community organizations to lobby for improvements in community infrastructure and services	MOAF, RADA, MCYS, SDC, JSIF, PDCs, CBOs, MLSS, LAs, JAS	Years 1-6 Ongoing
	5.3.3 Promote social equity in rural development	5.3.3.1 Promote appropriate social protection measures for economically vulnerable rural families	MOAF, MLSS, RADA, SDC, JSIF, PDCs, CBOs	Years 1-6 Ongoing
		5.3.3.2 Promote gender equity in rural development programmes	MOAF, MLSS, MCYS, RADA, SDC, JSIF, PDCs, CBOs	Years 1-6 Ongoing
	5.3.4 Support and encourage participatory methodologies in development of rural agricultural communities	5.3.4.1 Participate in and support local government and governance structures, including CBOs, CDCs, DACs and PDCs	MOAF, OPM, SDC, RADA, JSIF, LAs, JAS, CBOs, CDCs, DACs, PDCs	Years 1-6 Ongoing
		5.3.4.2 Participate in community priority setting and action planning	MOAF, OPM, SDC, RADA, JSIF, LAs, JAS, CBOs, CDCs, DACs, PDCs	Years 1-6 Ongoing
		5.3.4.3 Participate in regular community stakeholder consultations including town hall meetings with appropriate stakeholders to focus on developmental issues	MOAF, OPM, SDC, RADA, JSIF, LAs, JAS, CBOs, CDCs, DACs, PDCs	Years 1-6 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		5.3.4.4 Support and participate in community action planning processes	MOAF, OPM, SDC, RADA, JSIF, LAs, JAS, CBOs, CDCs, DACs, PDCs	Years 1-6 Ongoing
Goal #6: An Environmentally Sustainable Sector				
6.1 High Application of Environmental Standards and Good Agricultural Practices (GAPS)	6.1.1 Facilitate access to and application of new and emerging information on environmental best practices and standards in the sector	6.1.1.1 Develop networks to disseminate information on available environmental best practices and standards	MOAF, RADA, CAPE, JAS	Years 1-3 Ongoing
		6.1.1.2 Strengthen partnerships between public and private sector and academic and research institutions in relevant research and foresighting on emerging environmental trends for agricultural sector	MOAF, CASE, JAS, SRC, tertiary institutions	Years 1-3 Ongoing
		6.1.1.3 Develop renewable energy from bio-fuel resources in sector	MEM, MOAF, Private Sector	Years 1-3 Ongoing
	6.1.2 Strengthen compliance with environmental regulations, standards, conventions and agreements	6.1.2.1 Support the strengthening of capacity of environmental regulatory agencies and authorities	MOAF, JAS, NEPA, Local Authorities	Years 1-3 Ongoing
		6.1.2.2 Promote improved self-regulation of environmental compliance by agricultural sector enterprises	MOAF, JAS, PMOs	Years 1-3 Ongoing
		6.1.2.3 Develop and expand role of agricultural sector in system of carbon trading	MOAF, MEM, MFAFT, OPM,	Years 1-6 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
			NEPA, Met Office, Forestry Department/Agency	
		6.1.2.4 Establish and enforce rules and regulations for sustainable fishing practices	MOAF, NEPA, MNS, JCF, Coast Guard, ENGOs	Years 1-6 Ongoing
		6.1.2.5 Encourage agricultural enterprises to achieve environmental standards and certification including ISO14001	MOAF, RADA, JAS, NEPA, PMOs, Private Sector	Years 1-6 Ongoing
	6.1.3 Increase utilization of conservation practices throughout the sector	6.1.3.1 Integrate soil management, clean energy technology and watershed management with agricultural production	MOAF, JAS, NEPA, RADA	Years 1-3 Ongoing
		6.1.3.2 Expand training programmes on conservation practices for sector professionals and stakeholders	MOAF, RADA, JAS	Years 1-3 Ongoing
	6.1.4 Increase recycling of organic residue and waste	6.1.4.1 Strengthen supply chain from aquaculture to farms	Private enterprises, MOAF, RADA	Years 1-3 Ongoing
		6.1.4.2 Develop recycling of organic residue and waste from solid waste collection and sanitation sites to agricultural producers	NSWMA, MOAF, RADA, JAS, Private enterprises	Years 1-3 Ongoing
6.2 Organic Farming as Major Mode of Production	6.2.1 Expand training of agricultural	6.2.1.1 Expand training programmes on organic technology for sector professionals and stakeholders	MOAF, RADA, JAS, JOAM, Research and Tertiary Institutions	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
	communities in organic farming practices	6.2.1.2 Introduce exposure of organic farming in schools and agricultural learning institutions	MOAF, MOE, RADA, JAS, JOAM	Years 1-3 Ongoing
	6.2.2 Develop supporting environment and conditions for organic agriculture	6.2.2.1 Collaborate with national agencies and associations to de-contaminate lands to prepare for increase organic production	MOAF, NLA, NEPA, JOAM, PCA, Private Enterprises	Years 1-3 Ongoing
		6.2.2.2 Establish national standards for organic food production	MOAF, BSJ, JOAM, Private Enterprises	Years 1-3 Ongoing
		6.2.2.3 Establish appropriate legislation and regulations for the production, oversight, quality certification and trade of organic products	MOAF, RADA, CO, BSJ, JOAM, MFAFT	Years 1-3 Ongoing
		6.2.2.4 Develop and implement national organic research programme	MOAF, RADA, JAS, JOAM, Research and Tertiary Institutions, Private Enterprises	Years 1-3 Ongoing
		6.2.2.5 Strengthen and expand public education and awareness of the benefits of organic food and production systems	MOAF, RADA, JAS, JOAM, Research and Tertiary Institutions, JIS, Private Enterprises	Years 1-3 Ongoing
6.3 Strengthened Risk and Hazard Mitigation for Sector	6.3.1 Develop comprehensive agricultural insurance system	6.3.1.1 Assess the feasibility for the Government to provide financial support to local insurance companies, for them to insure against catastrophic risks in the agricultural sector	MOAF, MFPS, Insurance Companies, ODPEM	Years 1-3

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		6.3.1.2 Strengthen Banana Insurance Fund and Catastrophe Fund, including designing a parametric insurance model for the banana sector	MOAF, MFPS, Insurance Companies, ODPEM, EUBSP	Years 1-6
		6.3.1.3 Develop a risk profile of Jamaica in order to identify the magnitude of losses that can occur based on the profile design risk management tools to manage the different risk layers (national, meso and micro level)	MOAF, MFPS, Insurance Companies, ODPEM	Years 1-3
		6.3.1.4 Identify the main sources of risks for specific crops and areas	MOAF, RADA, NLA, MFPS, ODPEM, Insurance Companies	Years 1-3
		6.3.1.5 Institute and strengthen formal risk analysis mechanisms	MOAF, RADA, NLA, MFPS, ODPEM, NEPA, Insurance Companies	Years 1-3
		6.3.1.6 Develop provisions for agricultural sector under the Caribbean Catastrophe Risk Insurance Facility	MOAF, RADA, MFPS, MFAFT, ODPEM, NEPA, PIOJ, Insurance Companies	Years 1-3
	6.3.2 Strengthen on-farm hazard mitigation measures	6.3.2.1 Encourage the design and construction of hurricane resistant structures for on-farm buildings and infrastructure	MOAF, RADA, ODPEM, PMOs, Individual Agricultural	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
			Enterprises	
		6.3.2.2 Zone agricultural enterprises placing them in sheltered areas, including avoiding flood prone areas	OPM, NEPA, MOHE, LAs, MOAF, ODPEM	Years 1-3 Ongoing
		6.3.2.3 Promote installation and provision of wind barriers to protect crops	MOAF, RADA, ODPEM, PMOs, individual agricultural enterprises	Years 1-3 Ongoing
		6.3.2.4 Encourage and promote on-farm mitigation measures including: <ul style="list-style-type: none"> • Harvest and storage of crops before onset of hurricane season • Tree pruning • Production of reserve supplies of seedlings and planting material • Safe storage of pesticides 	MOAF, RADA, ODPEM, PMOs, individual agricultural enterprises	Years 1-3 Ongoing
		6.3.2.5 Strengthen research into appropriate hazard mitigation measures for Jamaican agricultural enterprises	MOAF, RADA, ODPEM, Research and Tertiary Institutions, JAS, Private Enterprises	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
	6.3.3 Develop comprehensive hazard preparedness activities for the agricultural sector	6.3.3.1 Provide hurricane tips and other information for farmers before the onset of the hurricane season	MOAF, RADA, ODPEM, JIS	Years 1-3 Ongoing
		6.3.3.2 Disseminate hazard mitigation information to the agricultural sector on a timely basis	ODPEM, PMOs, RADA, JAS, JIS, commodity organizations, MOAF	Years 1-3 Ongoing
		6.3.3.3 Implement Parish Disaster Management Plans	RADA, ODPEM, LAs, PMOs, commodity organizations, MOAF, Private Sector, CBOs	Years 1-3 Ongoing
		6.3.3.4 Strengthen early warning systems for natural disasters	MOAF, RADA, ODPEM, CBOs, LAs	Years 1-3 Ongoing
		6.3.3.5 Encourage the establishment of a hemispheric network specialized in early warning and agro-meteorological monitoring for the mitigation of natural disasters through the joint efforts of public and private institutions in the hemisphere	MOAF, MFAFT, ODPEM	Years 1-3 Ongoing
	6.3.4 Strengthen disaster response	6.3.4.1 Accelerate post-disaster resuscitation of roads and other agriculture infrastructure	MOAF, MTW, NWA, LAs, RADA, ODPEM	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
	and recovery mechanisms for the agricultural sector	6.3.4.2 Implement National Agricultural Disaster Risk Management Programme	MOAF, MFPS, ODPEM, CBOs, LAs, PMOs, Private Enterprises	Years 1-3 Ongoing
		6.3.4.3 Establish stockpiles of tools, equipment and other materials for emergency use	ODPEM, CBOs, LAs, PMOs, Private Enterprises, Commodity Organizations	Years 1-3 Ongoing
		6.3.4.4 Develop mechanisms for communication with farmers after a disaster including through cell phone communication and mass-text messages to registered farmers	MOAF, RADA, ODPEM, Private Sector, Telecommunications Companies	Years 1-3 Ongoing
		6.3.4.5 Encourage planting to reap within the non-hurricane peak season to ensure food security for hurricane season	MOAF, RADA	Years 1-3 Ongoing
		6.3.4.6 Develop and implement Fisheries Disaster Response Strategy	MOAF, Fisheries Division	Years 1-3
		6.3.4.7 Strengthen linkages between umbrella organizations and national disaster preparedness and emergency management system, including throughout the prevention, preparation, response and recovery phases	MOAF, OPM, PSOs, ODPEM, LAs, JAS, CBOs, Private Enterprises	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		6.3.4.8 Encourage collaboration between agricultural enterprises and community-level disaster committees	OPM, PSOs, JAS, Private Enterprises, ODPEM, MOAF, LAs, CBOs	Years 1-3 Ongoing
		6.3.4.9 Research and improve hazard damage assessment methods for the agricultural sector	ODPEM, STATIN, PIOJ, MOAF, Research and Tertiary Institutions	Years 1-3 Ongoing
		6.3.4.10 Conduct agricultural livelihood assessments in pre-hurricane and post hurricane seasons	MOAF, RADA	Years 1-3 Ongoing
Goal #7: National Food Security				
7.1 Increased Access to Adequate and Safe Food Supplies for Population	7.1.1 Ensure consistent and dependable access to adequate food supplies	7.1.1.1 Strengthen distribution, storage and marketing system for consistent food supplies	MOAF, MIIC, RADA, Private Sector	Years 1-3 Ongoing
		7.1.1.2 Mitigate against food shortages resulting from natural and man-made hazards, including establishment of emergency stockpiles	MOAF, MIIC, MOHE, ODPEM, Private Sector	Years 1-3 Ongoing
	7.1.2 Enhance affordability of food supplies	7.1.2.1 Implement Price Support Programme to subsidize basic food items to mitigate against external price shocks and disasters	MIIC, MLSS, MOAF, MOHE, MFPS	Years 1-3 Ongoing
		7.1.2.2 Strengthen the targeting and delivery of social assistance to vulnerable groups and welfare beneficiaries	MLSS, MOAF, MOHE	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		7.1.2.3 Expand School Feeding Programme	MOE	Years 1-3 Ongoing
		7.1.2.4 Source cheaper inputs for local agricultural production	MOAF, MIIC, Private Sector	Years 1-3 Ongoing
	7.1.3 Ensure safety of food supplies	7.1.3.1 Establish Single Food Safety Agency	MOAF, MOHE, MIIC, BSJ, CO, OPM	Years 1-3
		7.1.3.2 Rationalize agencies and activities into single integrated national system for food safety	MOAF, MOHE, MIIC, CO	Years 1-3
		7.1.3.3 Strengthen coordination of agencies involved in food safety	MOAF, MOHE, MIIC, CO	Years 1-3
		7.1.3.4 Modernize legislation relating to food safety and create umbrella legislation	MOAF, MOHE, MIIC, CO, OPC	Years 1-3 Ongoing
		7.1.3.5 Finalize and implement food safety policy	MOAF, MOHE, MIIC, CO, OPM	
		7.1.3.6 Strengthen the system of inspection, monitoring and testing of imported foods	MOAF, MOHE, MIIC, BSJ, Customs	Years 1-3 Ongoing
		7.1.3.7 Encourage implementation of on-farm food safety programmes and good agricultural/ manufacturing practices	MOAF, RADA, MOHE, MIIC, JAS, BSJ, Private Sector	Years 1-3 Ongoing
		7.1.3.8 Strengthen the system for surveillance of food-borne disease and create a comprehensive database for food-borne-related illnesses	MOHE, MOAF	Years 1-6 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		7.1.3.9 Establish effective traceability system for key agricultural crops and livestock “from farm to fork”	MOAF, RADA, MOHE, MIIC, JAS, BSJ, Private Sector	Years 1-6
7.2 Increased Domestic Food Production	7.2.1 Promote appropriate technology and techniques to increase efficiency of staple food production at lower costs and prices	7.2.1.1 Promote best practice and GAPS by domestic food producers including mechanization of on-farm operations, small-scale irrigation systems, soil testing to inform crop selection and fertilizer application, post-harvest techniques	MOAF, RADA, JAS, Private Sector	Years 1-6 Ongoing
	7.2.2 Provide incentives to local producers for food security purposes	7.2.2.1 Review existing trade rules to identify incentives for domestic food production	MOAF, MFAFT, MIIC, MFPS	Years 1-6 Ongoing
		7.2.2.2 Provide temporary, targeted incentives to encourage growth of critical sub-sectors	MOAF, MFAFT, MIIC, MFPS	Years 1-6 Ongoing
	7.2.3 Ensure sustainable management of food-based resources (land and sea/aquatic)	7.2.3.1 Establish fishing sanctuaries to protect breeding grounds	MOAF, NEPA, MNS, JCF, Coast Guard, ENGOs	Years 1-6 Ongoing
		7.2.3.2 Encourage crop zoning for lands suitable for their production	MOAF, NLA, NEPA, LAs	Years 1-6 Ongoing
	7.2.4 Encourage home	7.2.4.1 Promote use of backyard garden systems in urban and peri-urban households	MOAF, RADA, SDC	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
	food production including backyard gardening	7.2.4.2 Implement residential fruit tree planting programme	MOAF, RADA, SDC	Years 1-3 Ongoing
	7.2.5 Undertake key food security projects	7.2.5.1 Implement key food security projects including: <ul style="list-style-type: none"> ➤ Production and Productivity Programme for selected crops ➤ Improving Jamaica's Agricultural Productivity (IJAP) (Greenhouse Clusters and Fisheries Development) ➤ Cassava Expansion Project ➤ Dairy Revitalization Programme ➤ Small Ruminant Expansion Programme ➤ Urban Backyard and School Garden Programmes ➤ EC Food Facility 	MOAF, RADA, PMOs, Private Sector	Years 1-6
7.3 Improved Nutritional Status of the Population through Consumption of Healthy Foods	7.3.1 Promote the consumption of healthy foods	7.3.1.1 Promote increased consumption of healthy foods and diet, including increased consumption of fruits, vegetables, legumes and ground provisions, and decreased consumption of fat, sugar and salt, within the Healthy Lifestyles framework	MOHE, MOAF, MIIC, BSJ, JIS, JAS, Private Sector, CBOs, CFNI, MOE	Years 1-3 Ongoing
		7.3.1.2 Align food import and local production policies with recommended nutrition and	MOHE, MOAF, MIIC, MFAFT	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
		dietary goals		
		7.3.1.3 Develop and implement public education and awareness programme on healthy food choices	MOHE, MOAF, MIIC, JIS, JAS, Private Sector, CBOs, CFNI	Years 1-3 Ongoing
		7.3.1.4 Reinforce and implement policy on breast-feeding and “Baby Friendly” hospitals	MOHE	Years 1-3 Ongoing
		7.3.1.5 Highlight the negative characteristics of some foods such as GMOs, and foods containing increased additives, hormones and other chemicals, and saturated fats	MOHE, MOAF, MIIC, BSJ, JIS, JAS, Private Sector, CBOs	Years 1-3 Ongoing
	7.3.2 Create supportive environment for healthy foods	7.3.2.1 Incorporate healthy food choices in hospitality industry, restaurants, schools, retail outlets, canteens, and other food outlets	MOAF, MIIC, MOHE, MOE, Private Sector	Years 1-3 Ongoing
		7.3.2.2 Establish and enforce nutrition and food safety standards for the food industry, based on food-based dietary guidelines	MOHE, MOAF, MIIC, BSJ, Private Sector	Years 1-3 Ongoing
		7.3.2.3 Ensure proper labeling of food products in relation to their nutritional content	MOHE, MOAF, MIIC, BSJ, Private Sector	Years 1-3 Ongoing
		7.3.2.4 Establish partnership with the food and beverage industry to promote the production and marketing of healthy foods	MOHE, MOAF, MIIC, BSJ, Private Sector	Years 1-3 Ongoing
		7.3.2.5 Support and strengthen relevant research on food and nutrition	MOHE, MOAF, MIIC, BSJ, SRC,	Years 1-3 Ongoing

OUTCOMES	STRATEGIES	ACTIONS	RESPONSIBLE AGENCIES AND STAKEHOLDERS	TIME-FRAME
			CFNI, Private Sector, Research and Tertiary Institutions	
		7.3.2.6 Design food and nutrition policy from a nutrition/health perspective and support the production of safe and nutritious foods	MOAF, MOHE, MIIC, BSJ, CO, Private Sector, CFNI, MOE	Years 1-3 Ongoing
	7.3.3 Highlight the nutritional, taste and cultural and economic benefits of Jamaican foods	7.3.3.1 Promote local foods based on their cultural and economic importance, health benefits, freshness and superior flavor	MOHE, MOAF, MIIC, JIS, JAS, Private Sector, CBOs	Years 1-3 Ongoing
		7.3.3.2 Develop media advertisements, cooking classes and contests, cookbooks and publishing of local recipes for Jamaican foods	MOHE, MOAF, MIIC, JIS, JAS, Private Sector, CBOs	Years 1-3 Ongoing

7. Appendices

7.1 Appendix 1 – List of Task Force Members

Mr. Donovan Stanberry	Permanent Secretary, Ministry of Agriculture and Lands (MOAF) (Task Force Chairperson)
Mr. Peter Myers	Policy Analyst, Cabinet Office
Mr. Robert Reid	Agri-Business Specialist, International Institute for Cooperation in Agriculture (IICA)
Ms. Shauna Brandon	Rural Development Specialist, IICA
Mr. Ainsworth Riley	Agri. Manager, Jamaica Exporters' Association
Mr. C. Leopold Nesbeth	Sales and Marketing Manager, Jamaica Cane Products Sales Ltd.
Mr. Paul C. Miller	Executive Chairman, Citrus Growers Association
Dr. Dunstan Campbell	Representative in Jamaica, Food and Agricultural Organization (FAO)
Dr. Keith Amiel	President, Caribbean Agribusiness Association / Caribbean Broilers Group
Mr. Lawrence V. Bowie	Cultivation Manager, Trade Winds Citrus Ltd.
Ambassador Derick Heaven	Executive Chairman, Sugar Industry Authority
Mr. Albert Shand	Executive Director, Rural Agricultural Development Authority (RADA)
Mr. Shaun Baugh	Director, Planning and Evaluation, RADA
Mr. Neville Lindo	Development Bank of Jamaica
Mr. Vitus Evans	Jamaica Agricultural Development Foundation (JADF)
Ms. Idelle Brown	Chief Executive Officer, Belle Tropicals Ltd.
Mr. Don McGlashan	Chief Technical Director, MOAF
Mrs. Zuliekha Budhan	Principal Director, Policy and Planning, MOAF
Mrs. Carol Johnston-Miller	Director, Economic Planning, MOAF
Dr. Osbil Watson	Director, Veterinary Services Division, MOAF
Mr. Karl Hyatt	International Trade Specialist, MOAF
Ms. Mavis Campbell	Consultant, MOAF
Mr. Denzville Williams	Plant Quarantine, MOAF
Mr. Delroy Coley	Corporate Planning, MOAF
Ms. Stacy Rose	Economic Planning, MOAF
Mr. Dwight E. Robinson	Chairman, Jamaica Organic Agricultural Movement
Mrs. Dionne Clarke-Harris	Caribbean Agricultural Research and Development Institute (CARDI)
Sen. Norman Grant	President, Jamaica Agricultural Society
Mr. Ronald Blake	Jamaica 4H Club

Dr. Ballayram	Caribbean Food and Nutrition Institute
Mr. R. Karl James	General Manager, Jamaica Cane Products Sales Limited
Mr. Kevin Condappa	MOAF
Ms. Tracey-Ann Wright	MOAF
Mr. Julian Douglas	MOAF
Mr. Carlton Wedderburn	MOAF
Mrs. Camille Beckford Scott	Jamaica Exporters' Association
Ms. Genevieve Graham	FAO/United Nations
Mr. Wesley Van Riel	Senior Director, Strategic Planning and Evaluation, Ministry of Tourism

PIOJ STAFF:

Mrs. Angela Taylor-Spence	PIOJ
Mr. Barrington Hibbert	PIOJ
Mr. Michael Ramsay	PIOJ
Mr. Richard Lumsden	PIOJ
Ms. Tameka Walker	PIOJ

Note: Positions of Task Force Members are given as at the time of their appointment to the Agriculture Task Force.

<p>7.2 Appendix 2 – List of Attendees at Agriculture Workshop</p>

**ATTENDEES AT VISION 2030 JAMAICA
AGRICULTURE TASK FORCE STAKEHOLDER WORKSHOP
HELD ON WEDNESDAY, NOVEMBER 7, 2007
AT THE TERRA NOVA HOTEL, KINGSTON**

PRESENT:

- | | | |
|----|-------------------------------|---------------------------------------------------------------------------------------|
| 1. | Hon. Christopher Tufton, M.P. | Minister of Agriculture, Ministry of Agriculture and Lands (MOAL) |
| 2. | Mr. Donovan Stanberry | Permanent Secretary, Ministry of Agriculture and Lands |
| 3. | Mr. Don McGlashan | Chief Technical Director, Ministry of Agriculture and Lands
(Workshop Chairperson) |
| 4. | Mr. Byron McDonald | Development Bank of Jamaica |
| 5. | Mr. C. Bishop | Wallenford Coffee |
| 6. | Mr. Wesley Van Riel | Senior Director, Strategic Planning and Evaluation, Ministry of Tourism |

7.	Mr. Thomas Burton	Rural Agricultural Development Authority (RADA)
8.	Mr. Stanley Dodd	RADA
9.	Mr. Winston Simpson	RADA
10.	Mr. Raymond Martin	Jamaica Organic Agricultural Movement (JOAM)
11.	Mrs. Dorienne Rowan-Campbell	Jamaica Organic Agricultural Movement (JOAM)
12.	Ms. Tracey Ann Logan	Jamaica Organic Agricultural Movement (JOAM)
13.	Dr. Ballayram	Caribbean Food and Nutrition Institute
14.	Halcyee Anderson	Agribusiness Council of Jamaica
15.	Ms. Donnelle Christian	TVJ
16.	Ms. Kimone Witter	RJR
17.	Ms. Claudia C. Barnes	Ministry of Foreign Affairs and Foreign Trade
18.	Ms. Florence Young	Jamaica Horticultural Society
19.	Mr. Lawrence V. Bowie	Trade Winds Citrus Limited
20.	Ms. Grace-Ann Allen	Trade Winds Citrus Limited
21.	Mr. Dave Reid	Jamaica Information Service
22.	Mr. Vin Evans	BECO
23.	Mr. Dave Hutton	Agri Unit, UWI
24.	Ms. Genevieve Graham	FAO/United Nations
25.	Mr. Hesdie Grauwde	FAO – Barbados
26.	Mr. Howard Batson	USAID/REACT
27.	Mr. Maurice Harrison	National Irrigation Commission
28.	Mr. John Allen	Newport-Fersan (Ja.) Limited
29.	Mr. Richard Jones	Coconut Industry Board
30.	Mr. Neville Lindo	Development Bank of Jamaica
31.	Mr. Derrick Simon	All Island Coffee Growers Association
32.	Ms. Gail Barrett	Jamaica Trade and Invest (JAMPRO)
33.	Mrs. Zuliekha Budhan	Principal Director, Ministry of Agriculture and Lands
34.	Mrs. Paulette Lyons-Dodd	Ministry of Agriculture and Lands
35.	Ms. Shelia Harvey	Ministry of Agriculture and Lands
36.	Mr. Karl Hyatt	Ministry of Agriculture and Lands
37.	Mr. Michael Pryce	Ministry of Agriculture and Lands
38.	Mrs. Trudi Stuart-Gaynor	Ministry of Agriculture and Lands – Veterinary Services
39.	Ms. Hyacinth Bernard	Ministry of Agriculture and Lands, Data Bank
40.	Mrs. Carol Johnston-Miller	Ministry of Agriculture and Lands
41.	Ms. Jasmin Holness	Ministry of Agriculture and Lands – R&D
42.	Mr. Hershell Brown	Ministry of Agriculture and Lands – ASSP

43. Mr. Kevin Condappa	Ministry of Agriculture and Lands
44. Mr. Carlton Wedderburn	Ministry of Agriculture and Lands
45. Mr. John Townend	Ministry of Agriculture and Lands
46. Ms. Tracey-Ann Wright	Ministry of Agriculture and Lands
47. Dr. Omer Thomas	Ministry of Agriculture and Lands
48. Mr. Rohan Richards	Ministry of Agriculture and Lands
49. Mr. Marvel Gray	Ministry of Agriculture and Lands
50. Ms. Judith C. Maloney	Ministry of Agriculture and Lands
51. Dr. Mohini Kiswani	Ministry of Agriculture and Lands
52. Ms. Valerie Roberts	Ministry of Agriculture and Lands
53. Mr. Gladstone A. Barrett	Ministry of Agriculture and Lands – Export Division
54. Ms. Anginette Murray	Fisheries Division
55. Mrs. Dionne Clarke-Harris	CARDI
56. Mr. Louis Campbell	Coffee Industry Board
57. Ms. Marcia Thompson	Pesticides Control Authority
58. Mr. James Burrowes	USAID
59. Mr. Balteano Duffus	Beef and Dairy Producers Association
60. Sen. Norman Grant	Jamaica Agricultural Society
61. Mr. Francis Asiedu	CARDI
62. Dr. Dunstan Campbell	FAO
63. Ms. Shalom Hodara	JDI
64. Ms. Annbel Williams	JMA
65. Mr. Leslie Simpson	CARDI
66. Mr. Paul Miller	Citrus Growers Association
67. Mr. Percy Miller	Citrus Growers Association
68. Mr. Alvin Murray	Christiana Potato Growers Association
69. Ms. Cordia Thompson	FAO
70. Mr. Lennie Morgan	ADC
71. Mr. Egbert Bob Miller	AIBGA/JAS
72. Mr. Lenworth Blake	Jamaica Greenhouse Growers' Association
73. Mr. Hugh Dixon	STEA
74. Mr. Calvin Watson	Jamaica 4H Club
75. Mr. Paul Jennings	Jamaica Dairy Development Board
76. Ms. Helen Farquharson	
77. Ms. Idelle Brown	Belle Tropicals Limited
78. Ms. Shelly Thompson	The Gleaner Company Limited
79. Mr. Vitus Evans	JADF
80. Mr. Johnathan Lamey	College of Agriculture, Science and Education
81. Ms. Donna Lamey	College of Agriculture, Science and Education
82. Mr. Keith Amiel	CB Group/CABA
83. Mr. Robert Reid	IICA

PIOJ STAFF:

1. Dr. Peter-John Gordon
2. Mr. Lasford Stone
3. Mr. Richard Lumsden
4. Mr. Barrington Hibbert
5. Mr. Michael Ramsay

7.3 Appendix 3 – Listing of Task Force Meetings

- September 21, 2007
- October 25, 2007
- November 7, 2007 (Workshop)
- February 3, 2009

7.4 Appendix 4 – List of Acronyms and Abbreviations

AAAJ	Advertising Agencies Association of Jamaica
ABIS	Agricultural Business Information System
AICFA	All-Island Cane Farmers' Association
BOJ	Bank of Jamaica
BSJ	Bureau of Standards Jamaica
CAPE	Caribbean Advanced Proficiency Examination
CARDI	Caribbean Agricultural Research and Development Institute
CARICOM	Caribbean Community
CASE	College of Agriculture, Science and Education
CBO	Community Based Organization
CFNI	Caribbean Food and Nutrition Institute
CO	Cabinet Office
DAC	Development Area Committee
DBJ	Development Bank of Jamaica
ENGO	Environmental Non-Governmental Organization
EU	European Union
EUBSP	European Union Banana Support Programme
FAO	Food and Agriculture Organization
4H	Jamaica 4H Clubs
GDP	Gross Domestic Product
GOJ	Government of Jamaica
GON	Government of the Netherlands
HEART/NTA	Heart Trust/National Training Agency
ISCF	Island Special Constabulary Force
IICA	International Institute for Cooperation in Agriculture
ITC	International Trade Centre
JAPA	Jamaica Agro Processors Association
JAS	Jamaica Agricultural Society

JBDC	Jamaica Business Development Centre
JB I	Jamaica Bauxite Institute
JBOS	Jamaica Business Opportunity Service
JCC	Jamaica Chamber of Commerce
JCF	Jamaica Constabulary Force
JE A	Jamaica Exporters' Association
JHTA	Jamaica Hotel and Tourist Association
JIPO	Jamaica Intellectual Property Office
JIS	Jamaica Information Service
JLA	Jamaica Livestock Association
JMA	Jamaica Manufacturers' Association
JNHT	Jamaica National Heritage Trust
JOAM	Jamaica Organic Agriculture Movement
JSIF	Jamaica Social Investment Fund
JTB	Jamaica Tourist Board
JTI	Jamaica Trade and Invest
KSAC	Kingston and St. Andrew Corporation
LA	Local Authority
MCYS	Ministry of Culture, Youth and Sports
MDAs	Ministries, Departments and Agencies
MDGs	Millennium Development Goals
MEM	Ministry of Energy and Mining
MFAFT	Ministry of Foreign Affairs and Foreign Trade
MFPS	Ministry of Finance and the Public Service
MIIC	Ministry of Industry, Investment and Commerce
MLSS	Ministry of Labour and Social Security
MNS	Ministry of National Security
MOAF	Ministry of Agriculture and Fisheries
MOAL	Ministry of Agriculture and Lands
MOE	Ministry of Education
MOHE	Ministry of Health and Environment
MOT	Ministry of Tourism
MQAJ	Mining and Quarrying Association of Jamaica
MSMEs	Micro-, Small and Medium-Sized Enterprises
MTW	Ministry of Transport and Works
NEPA	National Environment and Planning Agency
NGO	Non-Governmental Organization
NIC	National Irrigation Commission
NLA	National Land Agency
NSWMA	National Solid Waste Management Authority
NWA	National Water Authority
ODPEM	Office of Disaster Preparedness and Emergency Management
OPM	Office of the Prime Minister
PA	Producers' Association
PDC	Parish Development Committee
PIOJ	Planning Institute of Jamaica

PMO	Production and Marketing Organization
PSOJ	Private Sector Organization of Jamaica
RADA	Rural Agricultural Development Authority
RPPD	Rural Physical Planning Department
SDC	Social Development Commission
SLB	Student Loan Bureau
SRC	Scientific Research Council
STATIN	Statistical Institute of Jamaica
TNC	The Nature Conservancy
TPDCo	Tourism Product Development Company
UCJ	University Council of Jamaica
USAID	United States Agency for International Development
UTECH	University of Technology
UWI	University of the West Indies
WTO	World Trade Organization

7.5 Appendix 5 – References and Selected Bibliography

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